## **AMENDMENTS TO THE CLAIMS**

1. (Currently Amended) An oscillator comprising:

a dielectric substrate having a microstrip-line resonator and a coupling line coupled with the microstrip-line resonator formed thereon, the dielectric substrate having a relative permittivity of more than 20;

an active device connected to the coupling line and constituting an oscillating circuit together with the microstrip-line resonator; and

a package substrate on which the dielectric substrate is mounted and which has a smaller dielectric constant than the dielectric substrate,

wherein the active device is mounted on the package substrate.

- (Original) An oscillator according to Claim 1, further comprising a frequency-variable device mounted on the package substrate and connected to a said oscillating circuit.
  - 3. (Currently Amended) An oscillator comprising:

a dielectric substrate having a microstrip-line resonator and a coupling line coupled with the microstrip-line resonator formed thereon, the dielectric substrate having a relative permittivity of more than 20;

an active device connected to the coupling line and constituting an oscillating circuit together with the microstrip-line resonator; and

a package substrate on which the dielectric substrate is mounted and which has a smaller dielectric constant than the dielectric substrate,

wherein the active device is mounted on the dielectric substrate.

4. (Original) An oscillator according to Claim 3, further comprising a frequency-variable device mounted on the dielectric substrate and connected to said oscillating circuit.

- 5. (Previously Amended) An oscillator according to one of Claims 1 and 3, further comprising a bias line and a bias resistor both for applying a bias voltage to the active device which are formed on the dielectric substrate.
- 6. (Previously Amended) An oscillator according to one of Claims 1 and 3, wherein the microstrip-line resonator and the coupling line are formed at the same time.
  - 7. 10. (Cancelled)
- 11. (Original) An oscillator according to Claim 1 or Claim 3, wherein the dielectric substrate is mounted on the package substrate by die bonding.
- 12. (Original) An oscillator according to Claim 11, wherein the dielectric substrate and the package substrate are electrically connected by wire bonding.
- 13. (Original) An oscillator according to Claim 1 or Claim 3, wherein the dielectric substrate is mounted on the package substrate by flip-chip mounting.
  - 14. (Cancelled)
  - 15. (Cancelled)

16. (Currently Amended) An oscillator according to Claim 1 or Claim 3, comprising:

a dielectric substrate having a microstrip-line resonator and a coupling line coupled with the microstrip-line resonator formed thereon an active device connected to the coupling line and constituting an oscillating circuit together with the microstrip-line resonator;

a package substrate on which the dielectric substrate is mounted and which has a smaller dielectric constant than the dielectric substrate,

wherein the active device is mounted on the package substrate; and wherein the temperature characteristic of the dielectric substrate is specified such that the temperature drift of the resonant frequency of the microstrip-line resonator is within 0.1% of the resonant frequency in a temperature range of 0°C to 70°C.

17. - 19. (Cancelled)

20. (Original) An electronic apparatus comprising a communications circuit including at least one of a transmission circuit and a reception circuit, said communications circuit including an oscillator according to Claim 1 or Claim 3.

21. (New) An oscillator comprising:

a dielectric substrate having a microstrip-line resonator and a coupling line coupled with the microstrip-line resonator formed thereon an active device connected to the coupling line and constituting an oscillating circuit together with the microstrip-line resonator; and

a package substrate on which the dielectric substrate is mounted and which has a smaller dielectric constant than the dielectric substrate,

wherein the active device is mounted on the package substrate; and wherein the temperature characteristic of the dielectric substrate is specified such that the temperature drift of the resonant frequency of the microstrip-line resonator is within 0.1% of the resonant frequency in a temperature range of  $0^{\circ}\text{C}$  to  $70^{\circ}\text{C}$ .